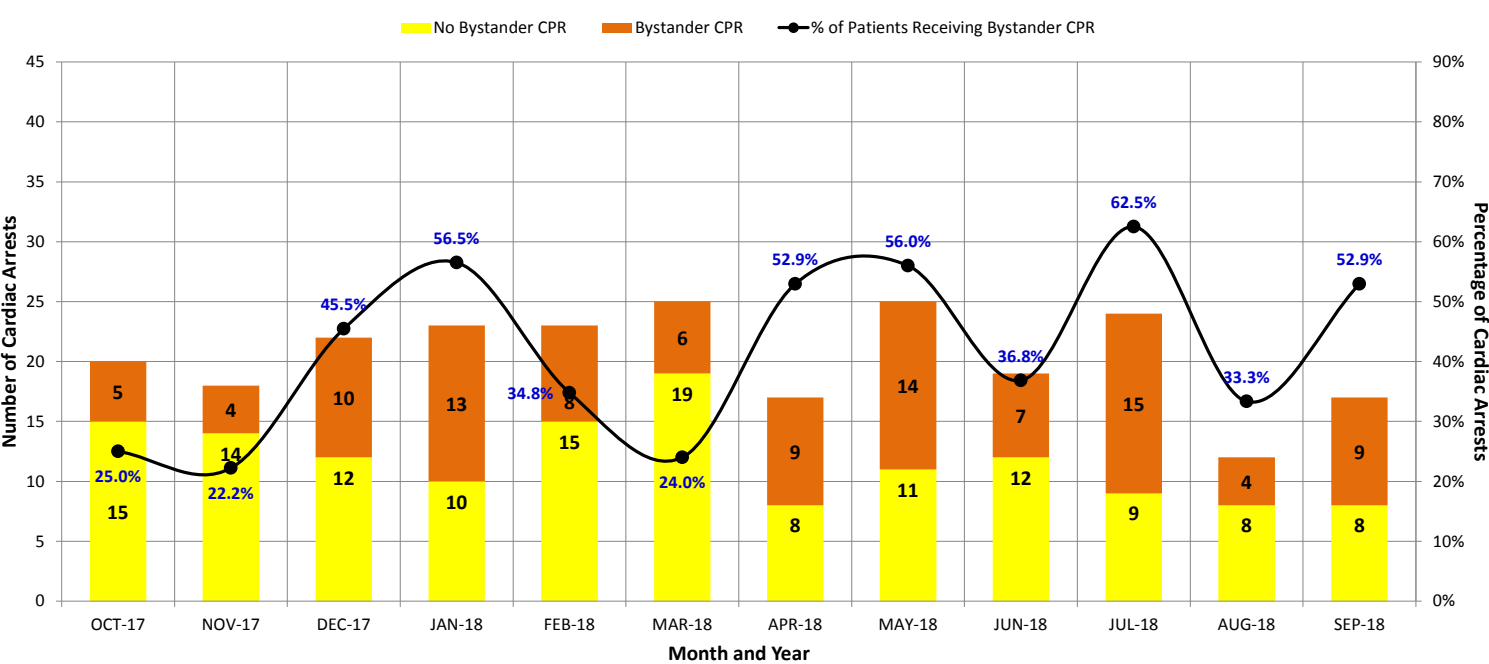
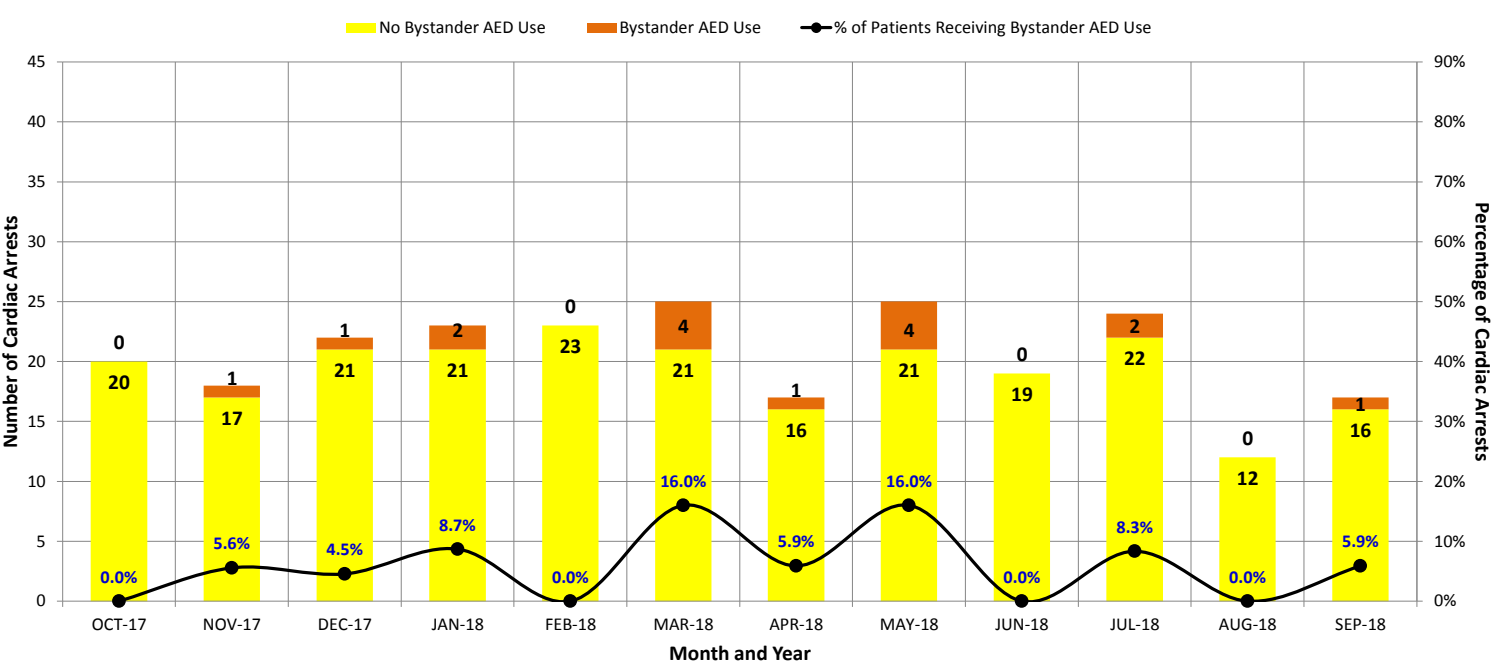


District of Columbia Fire and Emergency Medical Services Department
Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) by Month - FY 2018 (10/1/2017 to 9/30/2018)

Cardiac Arrests Witnessed by Bystanders (CPR)

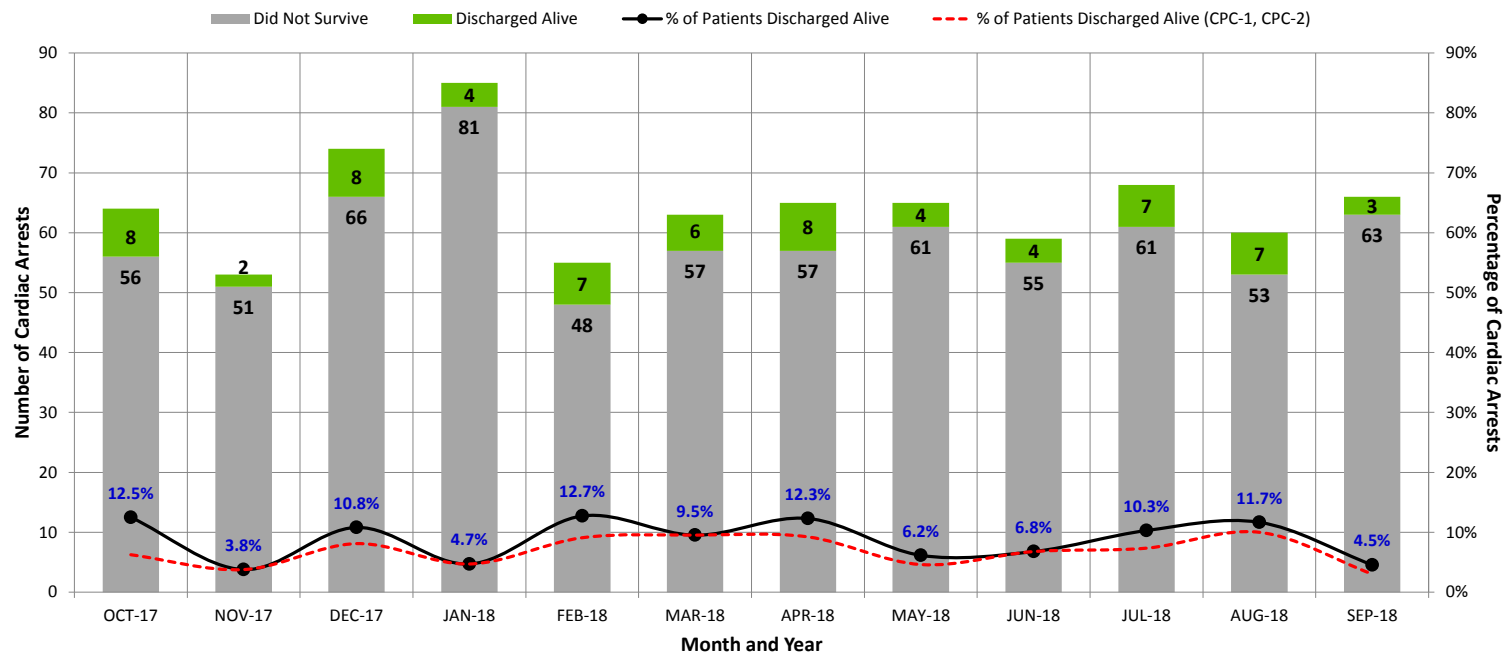


Cardiac Arrests Witnessed by Bystanders (AED Use)

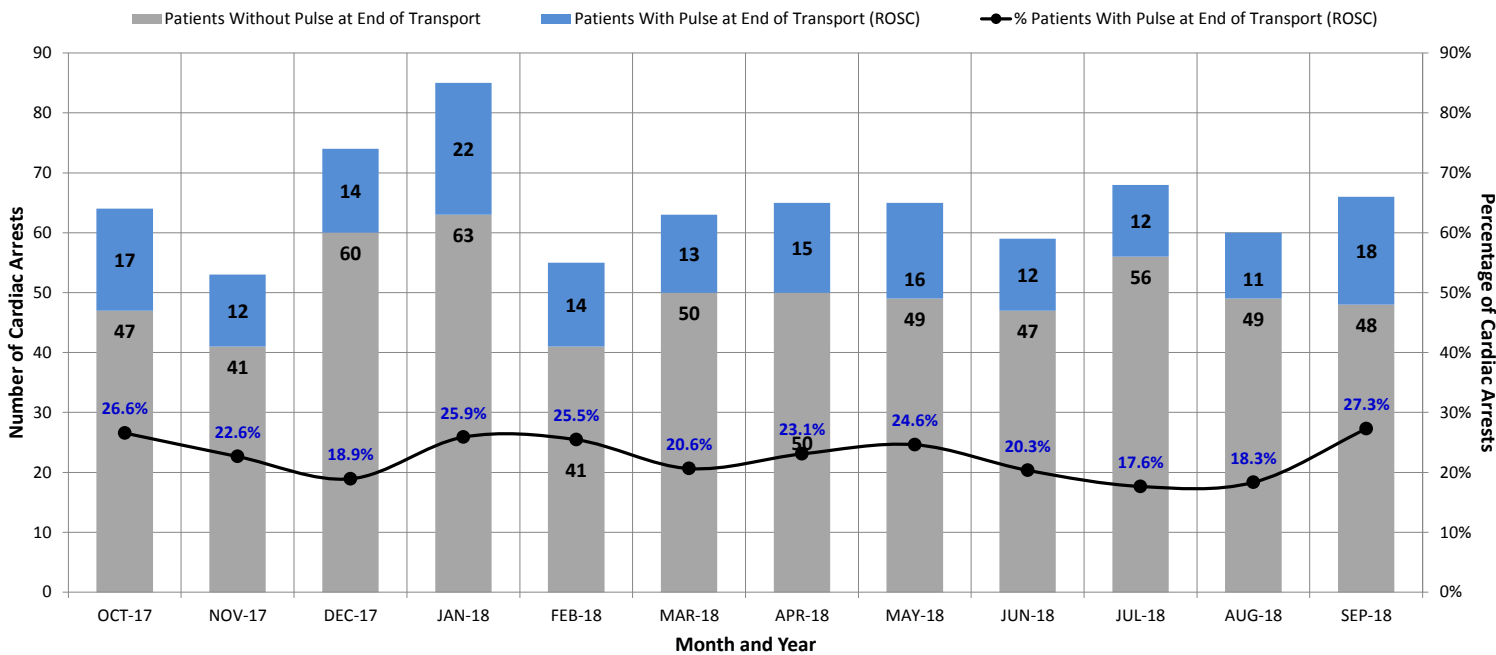


District of Columbia Fire and Emergency Medical Services Department
Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) by Month - FY 2018 (10/1/2017 to 9/30/2018)

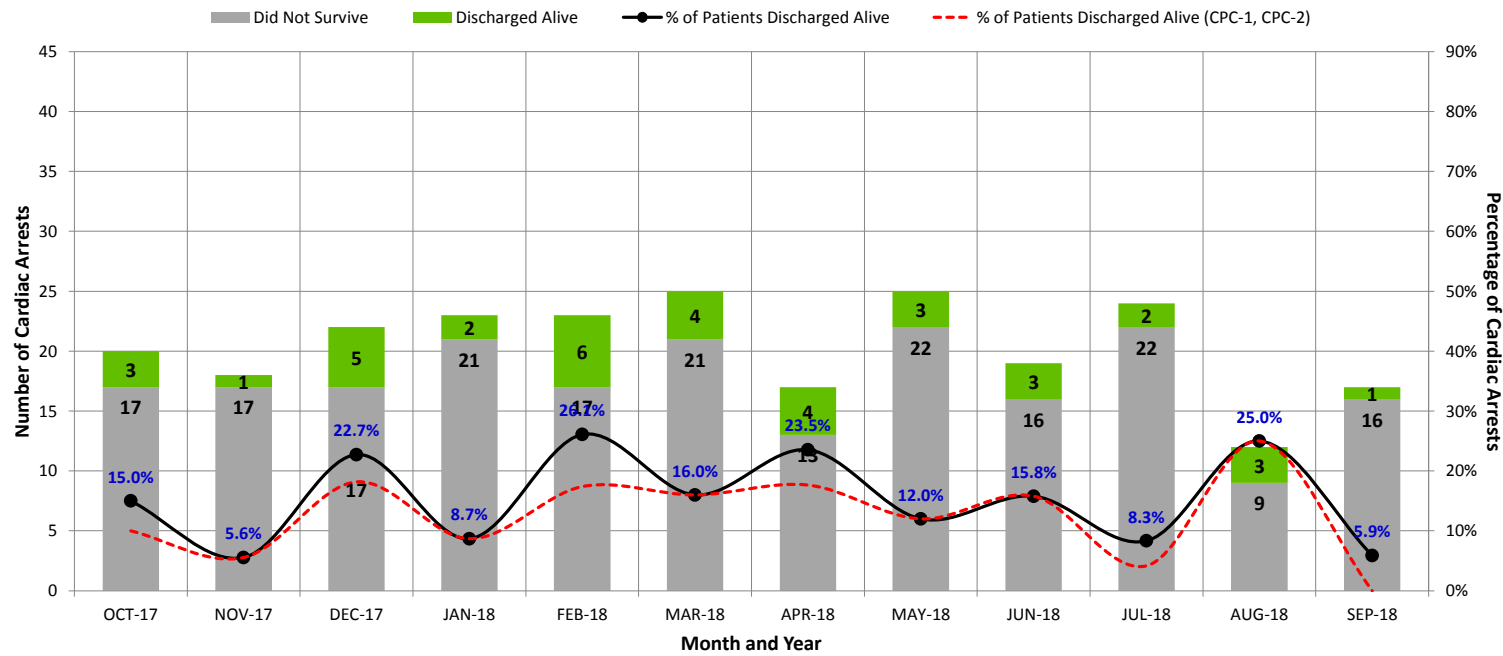
Panel 1: All Cardiac Arrests (Outcome)



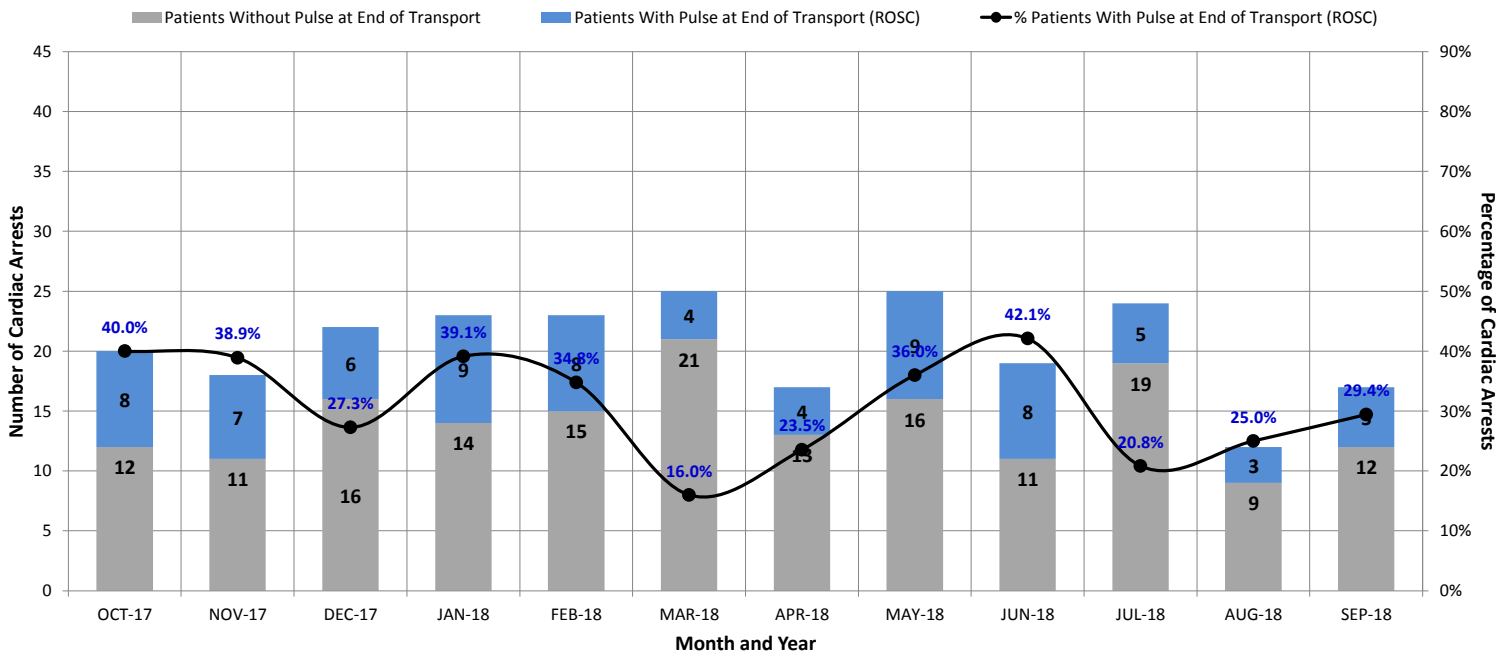
Panel 1-A: All Cardiac Arrests (ROSC)



Panel 2: Cardiac Arrests Witnessed by Bystanders (Outcome)

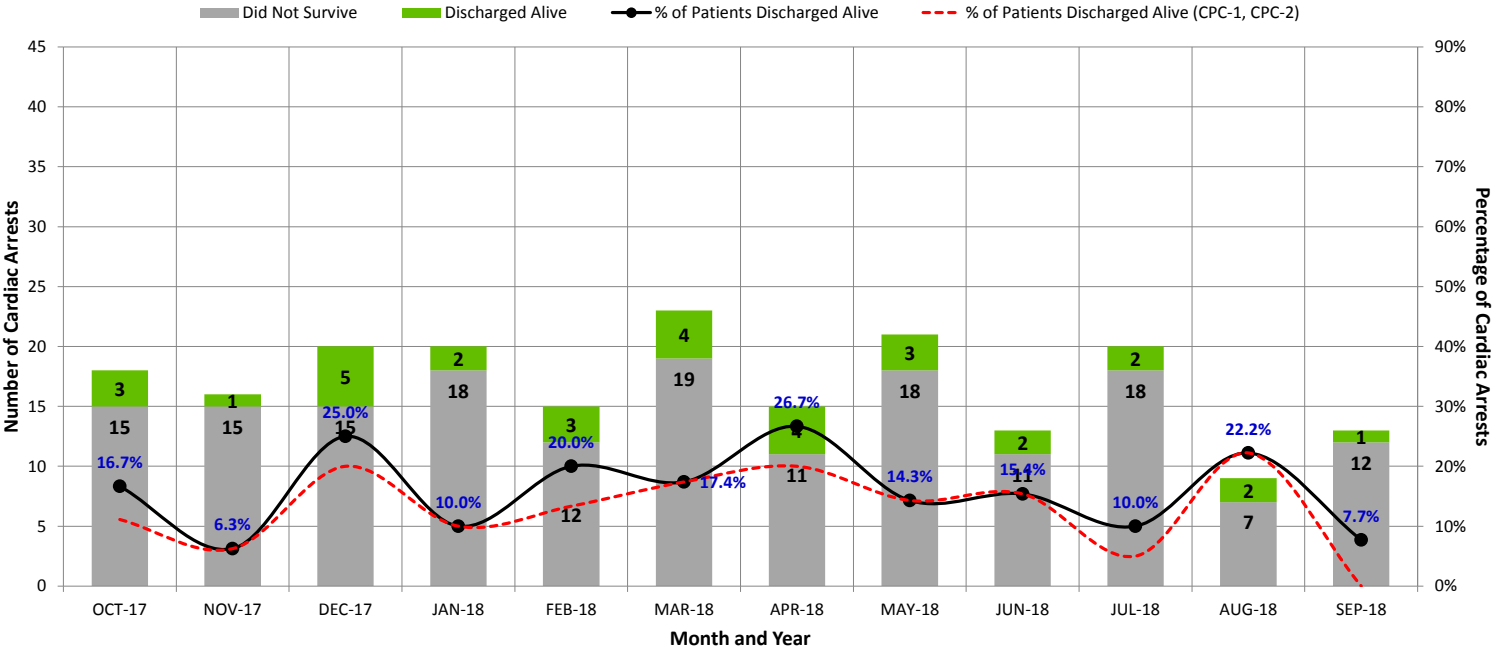


Panel 2-A: Cardiac Arrests Witnessed by Bystanders (ROSC)

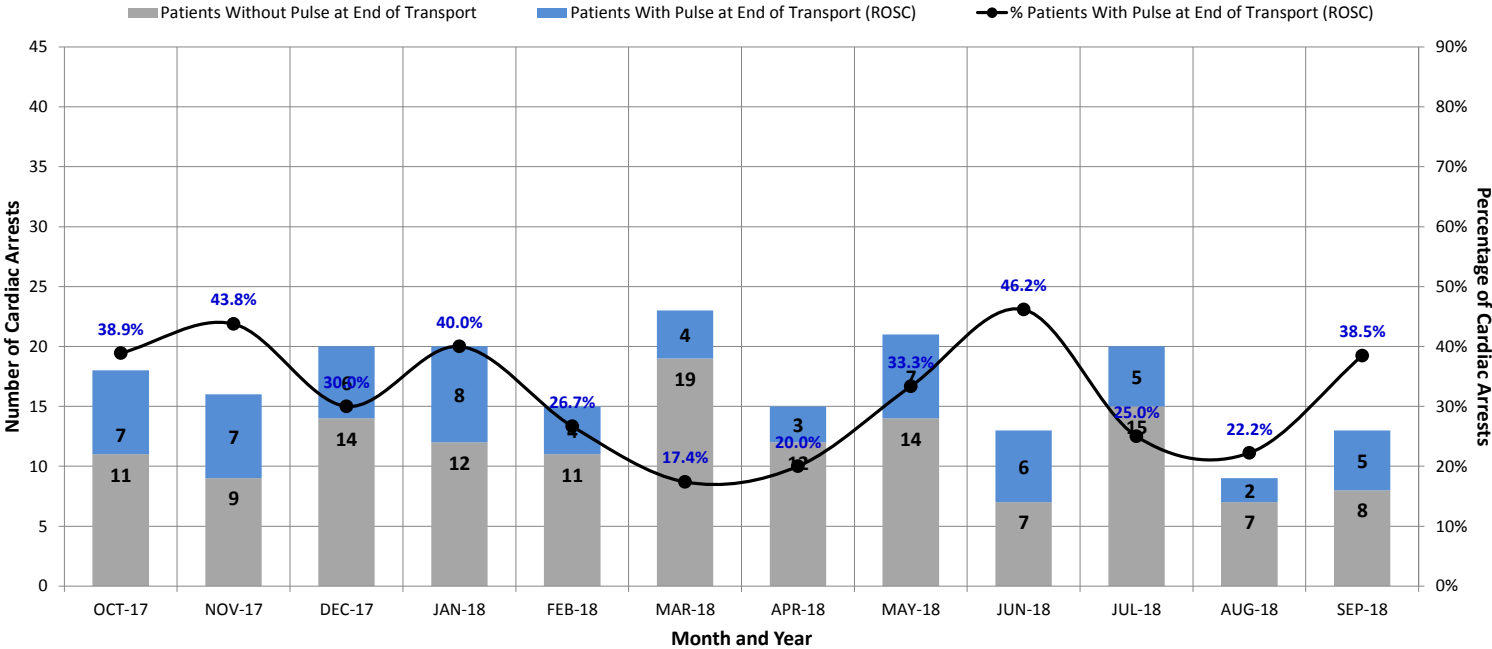


District of Columbia Fire and Emergency Medical Services Department
Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) by Month - FY 2018 (10/1/2017 to 9/30/2018)

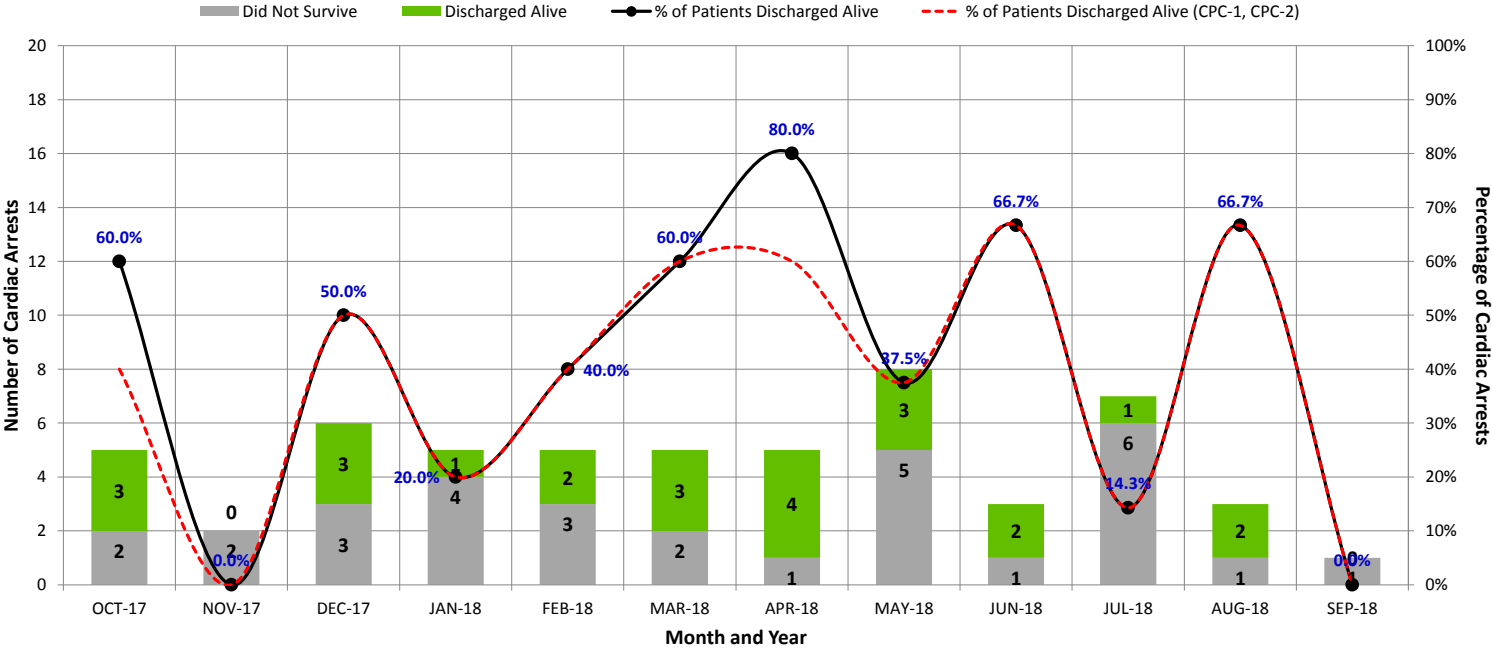
Panel 3: Cardiac Arrests (of Cardiac Etiology) Witnessed by Bystanders (Outcome)



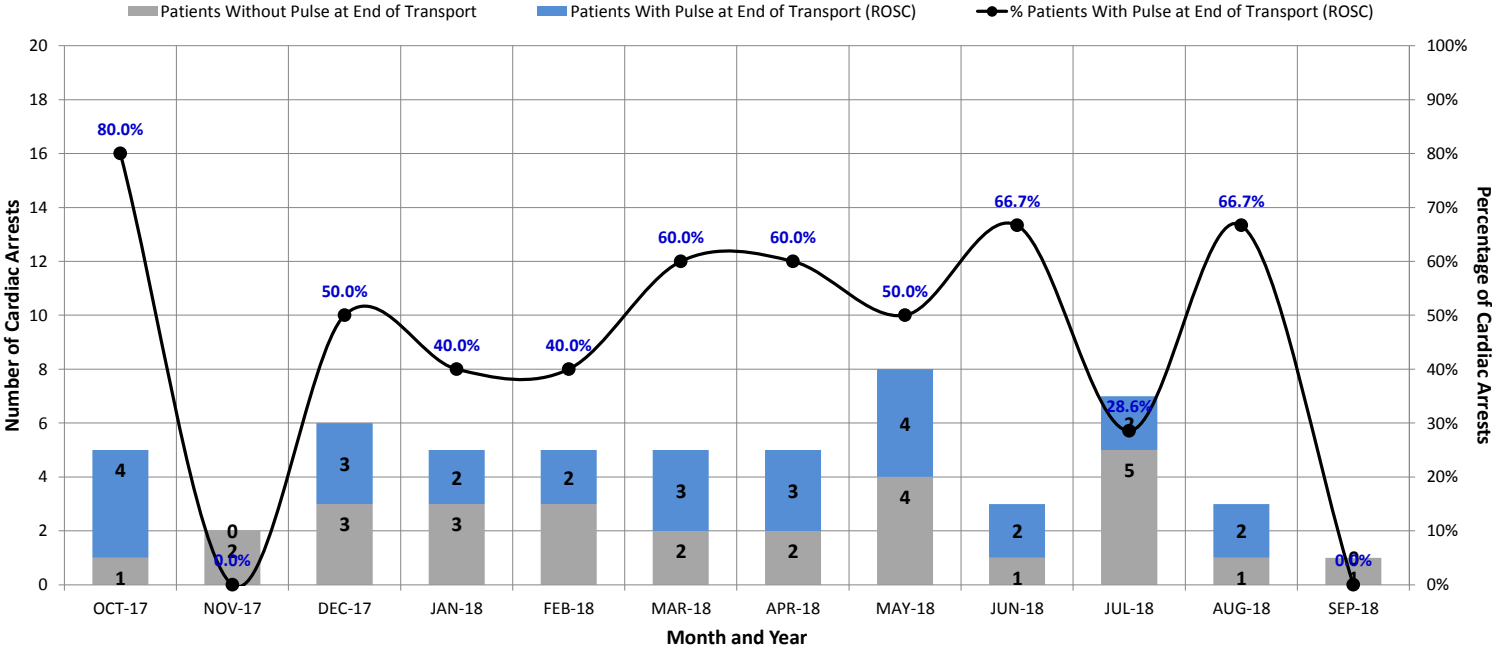
Panel 3-A: Cardiac Arrests (of Cardiac Etiology) Witnessed by Bystanders (ROSC)



Panel 4: Cardiac Arrests (Cardiac Etiology/"Shockable" Rhythm) Witnessed by Bystanders (Outcome)



Panel 4-A: Cardiac Arrests (Cardiac Etiology/"Shockable" Rhythm) Witnessed by Bystanders (ROSC)



District of Columbia Fire and Emergency Medical Services Department

Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) - FY 2018 (Q1 to Q4)

Cardiac Arrests Witnessed by Bystanders (CPR) KPI	Q1-FY-18	Q2-FY-18	Q3-FY-18	Q4-FY-18	FY-18 (TOTAL)
Total Cardiac Arrests	191	203	189	194	777
Witnessed Cardiac Arrests	88	91	78	74	331
NOT Witnessed by EMS	60	71	61	53	245
Who Initiated CPR?	0	0	0	0	0
Not Applicable	0	0	0	0	0
Lay Person	9	12	12	6	39
Lay Person Family Member	6	7	10	17	40
Lay Person Medical Provider	4	8	8	5	25
First Responder (non-transport provider)	13	19	11	5	48
Responding EMS Personnel	28	25	20	20	93
CPR Initiated by Bystanders	19	27	30	28	104
CPR Initiated by Bystanders, Limited to Arrest before Arrival of EMS Personnel.	31.7%	38.0%	49.2%	52.8%	42.4%

Cardiac Arrests Witnessed by Bystanders (AED Use) KPI	Q1-FY-18	Q2-FY-18	Q3-FY-18	Q4-FY-18	FY-18 (TOTAL)
Total Cardiac Arrests	191	203	189	194	777
Witnessed Cardiac Arrests	88	91	78	74	331
NOT Witnessed by EMS	60	71	61	53	245
AED applied prior to EMS arrival	10	23	13	10	56
Who Applied AED?					
Lay Person	1	3	0	2	6
Lay Person Family Member	0	0	0	0	0
Lay Person Medical Provider	1	3	5	1	10
First Responder (non-transport provider)	8	17	8	7	40
Police Applied AED	1	4	0	2	7
Unknown					
AED Used by Bystanders	2	6	5	3	16
AED Used by Bystanders, Limited to Arrest before Arrival of EMS Personnel.	3.3%	8.5%	8.2%	5.7%	6.5%

District of Columbia Fire and Emergency Medical Services Department

Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) - FY 2018 (Q1 to Q4)

Panel 1: All Cardiac Arrests (Outcome)	Q1-FY-18	Q2-FY-18	Q3-FY-18	Q4-FY-18	FY-18 (TOTAL)
Total Cardiac Arrests	191	203	189	194	777
Transported to ED	108	129	120	128	485
Pronounced Dead in ED	42	35	39	46	162
Ongoing Resuscitation in ED	66	94	81	82	323
Admitted to Hospital	42	52	48	47	189
Died in Hospital	21	34	28	29	112
Discharged alive	17	17	16	17	67
Discharged alive (CPC-1 or CPC-2)	12	15	13	13	53
Discharged alive (CPC-3, CPC-4 or Unk)	5	2	3	4	14
Died in Hospital after DNR	3	1	4	1	9
Discharged alive after DNR	1	0	0	0	1
Discharged alive after DNR (CPC-1 or CPC-2)	0	0	0	0	0
Discharged alive after DNR (CPC-3, CPC-4 or Unk)	1	0	0	0	1
Total Discharged Alive	18	17	16	17	68
Total Discharged Alive (CPC-1 or CPC-2)	12	15	13	13	53
Total Discharged Alive (CPC-3, CPC-4 or Unk)	6	2	3	4	15
Overall Survival Rate.	9.4%	8.4%	8.5%	8.8%	8.8%
Overall Survival Rate (CPC-1 or CPC-2).	6.3%	7.4%	6.9%	6.7%	6.8%

District of Columbia Fire and Emergency Medical Services Department
Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) - FY 2018 (Q1 to Q4)

Panel 2: Cardiac Arrests Witnessed by Bystanders (Outcome) KPI	Q1-FY-18	Q2-FY-18	Q3-FY-18	Q4-FY-18	FY-18 (TOTAL)
Total Cardiac Arrests	191	203	189	194	777
Witnessed Cardiac Arrests	88	91	78	74	331
NOT Witnessed by EMS	60	71	61	53	245
Transported to ED	44	55	46	40	185
Pronounced Dead in ED	15	12	14	12	53
Ongoing Resuscitation in ED	29	43	32	28	132
Admitted to Hospital	22	22	20	16	80
Died in Hospital	10	9	8	9	36
Discharged alive	9	12	10	6	37
Discharged alive (CPC-1 or CPC-2)	7	10	9	4	30
Discharged alive (CPC-3, CPC-4 or Unk)	2	2	1	2	7
Died in Hospital after DNR	3	1	2	1	7
Discharged alive after DNR	0	0	0	0	0
Discharged alive after DNR (CPC-1 or CPC-2)	0	0	0	0	0
Discharged alive after DNR (CPC-3, CPC-4 or Unk)	0	0	0	0	0
Total Discharged Alive	9	12	10	6	37
Total Discharged Alive (CPC-1 or CPC-2)	7	10	9	4	30
Total Discharged Alive (CPC-3, CPC-4 or Unk)	2	2	1	2	7
Overall Survival Rate.	15.0%	16.9%	16.4%	11.3%	15.1%
Overall Survival Rate (CPC-1 or CPC-2).	11.7%	14.1%	14.8%	7.5%	12.2%

District of Columbia Fire and Emergency Medical Services Department
Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) - FY 2018 (Q1 to Q4)

Panel 3: Cardiac Arrests (of Cardiac Etiology) Witnessed by Bystanders (Outcome)	Q1-FY-18	Q2-FY-18	Q3-FY-18	Q4-FY-18	FY-18 (TOTAL)
Total Cardiac Arrests	191	203	189	194	777
Witnessed Cardiac Arrests	88	91	78	74	331
NOT Witnessed by EMS	60	71	61	53	245
Presumed Cardiac Etiology	54	58	49	42	203
Transported to ED	40	45	37	31	153
Pronounced Dead in ED	12	12	12	9	45
Ongoing Resuscitation in ED	28	33	25	22	108
Admitted to Hospital	21	16	15	14	66
Died in Hospital	10	7	4	8	29
Discharged alive	9	9	9	5	32
Discharged alive (CPC-1 or CPC-2)	7	8	8	3	26
Discharged alive (CPC-3, CPC-4 or Unk)	2	1	1	2	6
Died in Hospital after DNR	2	0	2	1	5
Discharged alive after DNR	0	0	0	0	0
Discharged alive after DNR (CPC-1 or CPC-2)	0	0	0	0	0
Discharged alive after DNR (CPC-3, CPC-4 or Unk)	0	0	0	0	0
Total Discharged Alive	9	9	9	5	32
Total Discharged Alive (CPC-1 or CPC-2)	7	8	8	3	26
Total Discharged Alive (CPC-3, CPC-4 or Unk)	2	1	1	2	6
Overall Survival Rate.	16.7%	15.5%	18.4%	11.9%	15.8%
Overall Survival Rate (CPC-1 or CPC-2).	13.0%	13.8%	16.3%	7.1%	12.8%

District of Columbia Fire and Emergency Medical Services Department
Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) - FY 2018 (Q1 to Q4)

Panel 4: Cardiac Arrests (Cardiac Etiology/“Shockable” Rhythm) Witnessed by Bystanders (Outcome) KPI	Q1-FY-18	Q2-FY-18	Q3-FY-18	Q4-FY-18	FY-18 (TOTAL)
Total Cardiac Arrests	191	203	189	194	777
Witnessed Cardiac Arrests	88	91	78	74	331
NOT Witnessed by EMS	60	71	61	53	245
Presumed Cardiac Etiology	54	58	49	42	203
“Shockable” Rhythm (VFib/VTach/Unk)	13	15	16	11	55
Transported to ED	12	15	15	10	52
Pronounced Dead in ED	3	1	2	3	9
Ongoing Resuscitation in ED	9	14	13	7	43
Admitted to Hospital	7	8	10	5	30
Died in Hospital	0	2	0	2	4
Discharged alive	6	6	9	3	24
Discharged alive (CPC-1 or CPC-2)	5	6	8	3	22
Discharged alive (CPC-3, CPC-4 or Unk)	1	0	1	0	2
Died in Hospital after DNR	1	0	1	0	2
Discharged alive after DNR	0	0	0	0	0
Discharged alive after DNR (CPC-1 or CPC-2)	0	0	0	0	0
Discharged alive after DNR (CPC-3, CPC-4 or Unk)	0	0	0	0	0
Total Discharged Alive	6	6	9	3	24
Total Discharged Alive (CPC-1 or CPC-2)	5	6	8	3	22
Total Discharged Alive (CPC-3, CPC-4 or Unk)	1	0	1	0	2
Overall Survival Rate.	46.2%	40.0%	56.3%	27.3%	43.6%
Overall Survival Rate (CPC-1 or CPC-2).	38.5%	40.0%	50.0%	27.3%	40.0%

District of Columbia Fire and Emergency Medical Services Department
Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) - FY 2018 (Q1 to Q4)

Panel 1-A: All Cardiac Arrests (ROSC)	Q1-FY-18	Q2-FY-18	Q3-FY-18	Q4-FY-18	FY-18 (TOTAL)
Total Cardiac Arrests	191	203	189	194	777
Pronounced Dead Before Transport	83	74	69	66	292
Transported to ED	108	129	120	128	485
Pulseless at End of Transport	65	80	77	87	309
Pulse at End of Transport	43	49	43	41	176
Pronounced Dead in ED	6	2	0	0	8
Ongoing Resuscitation in ED	37	47	43	41	168
Admitted to Hospital	34	35	39	37	145
Died in Hospital	16	20	22	21	79
Discharged alive	14	14	14	15	57
Discharged alive (CPC-1 or CPC-2)	9	14	12	12	47
Discharged alive (CPC-3, CPC-4 or Unk)	5	0	2	3	10
Died in Hospital after DNR	3	1	3	1	8
Discharged alive after DNR	1	0	0	0	1
Discharged alive after DNR (CPC-1 or CPC-2)	0	0	0	0	0
Discharged alive after DNR (CPC-3, CPC-4 or Unk)	1	0	0	0	1
Total Discharged Alive	15	14	14	15	58
Total Discharged Alive (CPC-1 or CPC-2)	9	14	12	12	47
Total Discharged Alive (CPC-3, CPC-4 or Unk)	6	0	2	3	11
Pulse at End of Transport (Pre-Hospital ROSC rate).	22.5%	24.1%	22.8%	21.1%	22.7%
Survival Rate of EMS Patients with Pulse at End of Transport Admitted to Hospital.	44.1%	40.0%	35.9%	40.5%	40.0%
Survival Rate of EMS Patients with Pulse at End of Transport Admitted to Hospital (CPC-1 or CPC-2).	26.5%	40.0%	30.8%	32.4%	32.4%

District of Columbia Fire and Emergency Medical Services Department

Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) - FY 2018 (Q1 to Q4)

Panel 2-A: Cardiac Arrests Witnessed by Bystanders (ROSC)	Q1-FY-18	Q2-FY-18	Q3-FY-18	Q4-FY-18	FY-18 (TOTAL)
Total Cardiac Arrests	191	203	189	194	777
Witnessed Cardiac Arrests	88	91	78	74	331
NOT Witnessed by EMS	60	71	61	53	245
Pronounced Dead Before Transport	16	16	15	13	60
Transported to ED	44	55	46	40	185
Pulseless at End of Transport	23	34	25	27	109
Pulse at End of Transport	21	21	21	13	76
Pronounced Dead in ED	3	0	0	0	3
Ongoing Resuscitation in ED	18	21	21	13	73
Admitted to Hospital	17	15	19	13	64
Died in Hospital	6	5	8	6	25
Discharged alive	8	9	9	6	32
Discharged alive (CPC-1 or CPC-2)	6	9	9	4	28
Discharged alive (CPC-3, CPC-4 or Unk)	2	0	0	2	4
Died in Hospital after DNR	3	1	2	1	7
Discharged alive after DNR	0	0	0	0	0
Discharged alive after DNR (CPC-1 or CPC-2)	0	0	0	0	0
Discharged alive after DNR (CPC-3, CPC-4 or Unk)	0	0	0	0	0
Total Discharged Alive	8	9	9	6	32
Total Discharged Alive (CPC-1 or CPC-2)	6	9	9	4	28
Total Discharged Alive (CPC-3, CPC-4 or Unk)	2	0	0	2	4
Pulse at End of Transport (Pre-Hospital ROSC rate).	35.0%	29.6%	34.4%	24.5%	31.0%
Survival Rate of EMS Patients with Pulse at End of Transport Admitted to Hospital.	47.1%	60.0%	47.4%	46.2%	50.0%
Survival Rate of EMS Patients with Pulse at End of Transport Admitted to Hospital (CPC-1 or CPC-2).	35.3%	60.0%	47.4%	30.8%	43.8%

District of Columbia Fire and Emergency Medical Services Department

Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) - FY 2018 (Q1 to Q4)

Panel 3-A: Cardiac Arrests (of Cardiac Etiology) Witnessed by Bystanders (ROSC)	Q1-FY-18	Q2-FY-18	Q3-FY-18	Q4-FY-18	FY-18 (TOTAL)
Total Cardiac Arrests	191	203	189	194	777
Witnessed Cardiac Arrests	88	91	78	74	331
NOT Witnessed by EMS	60	71	61	53	245
Presumed Cardiac Etiology	54	58	49	42	203
Pronounced Dead Before Transport	14	13	12	11	50
Transported to ED	40	45	37	31	153
Pulseless at End of Transport	20	29	21	19	89
Pulse at End of Transport	20	16	16	12	64
Pronounced Dead in ED	3	0	0	0	3
Ongoing Resuscitation in ED	17	16	16	12	61
Admitted to Hospital	16	11	14	12	53
Died in Hospital	6	4	4	6	20
Discharged alive	8	7	8	5	28
Discharged alive (CPC-1 or CPC-2)	6	7	8	3	24
Discharged alive (CPC-3, CPC-4 or Unk)	2	0	0	2	4
Died in Hospital after DNR	2	0	2	1	5
Discharged alive after DNR	0	0	0	0	0
Discharged alive after DNR (CPC-1 or CPC-2)	0	0	0	0	0
Discharged alive after DNR (CPC-3, CPC-4 or Unk)	0	0	0	0	0
Total Discharged Alive	8	7	8	5	28
Total Discharged Alive (CPC-1 or CPC-2)	6	7	8	3	24
Total Discharged Alive (CPC-3, CPC-4 or Unk)	2	0	0	2	4
Pulse at End of Transport (Pre-Hospital ROSC rate).	37.0%	27.6%	32.7%	28.6%	31.5%
Survival Rate of EMS Patients with Pulse at End of Transport Admitted to Hospital.	50.0%	63.6%	57.1%	41.7%	52.8%
Survival Rate of EMS Patients with Pulse at End of Transport Admitted to Hospital (CPC-1 or CPC-2).	37.5%	63.6%	57.1%	25.0%	45.3%

District of Columbia Fire and Emergency Medical Services Department

Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) - FY 2018 (Q1 to Q4)

Panel 4-A: Cardiac Arrests (Cardiac Etiology/"Shockable" Rhythm) Witnessed by Bystanders (ROSC)	Q1-FY-18	Q2-FY-18	Q3-FY-18	Q4-FY-18	FY-18 (TOTAL)
Total Cardiac Arrests	191	203	189	194	777
Witnessed Cardiac Arrests	88	91	78	74	331
NOT Witnessed by EMS	60	71	61	53	245
Presumed Cardiac Etiology	54	58	49	42	203
"Shockable" Rhythm (VFib/VTach/Unk)	13	15	16	11	55
Pronounced Dead Before Transport	1	0	1	1	3
Transported to ED	12	15	15	10	52
Pulseless at End of Transport	5	8	6	6	25
Pulse at End of Transport	7	7	9	4	27
Pronounced Dead in ED	0	0	0	0	0
Ongoing Resuscitation in ED	7	7	9	4	27
Admitted to Hospital	7	6	9	4	26
Died in Hospital	0	1	0	1	2
Discharged alive	6	5	8	3	22
Discharged alive (CPC-1 or CPC-2)	5	5	8	3	21
Discharged alive (CPC-3, CPC-4 or Unk)	1	0	0	0	1
Died in Hospital after DNR	1	0	1	0	2
Discharged alive after DNR	0	0	0	0	0
Discharged alive after DNR (CPC-1 or CPC-2)	0	0	0	0	0
Discharged alive after DNR (CPC-3, CPC-4 or Unk)	0	0	0	0	0
Total Discharged Alive	6	5	8	3	22
Total Discharged Alive (CPC-1 or CPC-2)	5	5	8	3	21
Total Discharged Alive (CPC-3, CPC-4 or Unk)	1	0	0	0	1
Pulse at End of Transport (Pre-Hospital ROSC rate).	53.8%	46.7%	56.3%	36.4%	49.1%
Survival Rate of EMS Patients with Pulse at End of Transport Admitted to Hospital.	85.7%	83.3%	88.9%	75.0%	84.6%
Survival Rate of EMS Patients with Pulse at End of Transport Admitted to Hospital (CPC-1 or CPC-2).	71.4%	83.3%	88.9%	75.0%	80.8%

District of Columbia Fire and Emergency Medical Services Department

Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) by Quarter and Month - FY 2018 (10/1/2017 to 9/30/2018)

Cardiac Arrests Witnessed by Bystanders (CPR) KPI	OCT-17	NOV-17	DEC-17	JAN-18	FEB-18	MAR-18	APR-18	MAY-18	JUN-18	JUL-18	AUG-18	SEP-18	FY-18 (FINAL)
Total Cardiac Arrests	64	53	74	85	55	63	65	65	59	68	60	66	777
Witnessed Cardiac Arrests	30	24	34	31	27	33	22	29	27	29	22	23	331
NOT Witnessed by EMS	20	18	22	23	23	25	17	25	19	24	12	17	245
Who Initiated CPR?													
Not Applicable	0	0	0	0	0	0	0	0	0	0	0	0	0
Lay Person	0	1	8	4	4	4	6	4	2	3	1	2	39
Lay Person Family Member	2	2	2	3	4	0	1	6	3	7	3	7	40
Lay Person Medical Provider	3	1	0	6	0	2	2	4	2	5	0	0	25
First Responder (non-transport provider)	6	2	5	5	8	6	3	4	4	2	1	2	48
Responding EMS Personnel	9	12	7	5	7	13	5	7	8	7	7	6	93
CPR Initiated by Bystanders	5	4	10	13	8	6	9	14	7	15	4	9	104
CPR Initiated by Bystanders, Limited to Arrest before Arrival of EMS Personnel.	25.0%	22.2%	45.5%	56.5%	34.8%	24.0%	52.9%	56.0%	36.8%	62.5%	33.3%	52.9%	42.4%

Cardiac Arrests Witnessed by Bystanders (AED Use) KPI	OCT-17	NOV-17	DEC-17	JAN-18	FEB-18	MAR-18	APR-18	MAY-18	JUN-18	JUL-18	AUG-18	SEP-18	FY-18 (FINAL)
Total Cardiac Arrests	64	53	74	85	55	63	65	65	59	68	60	66	777
Witnessed Cardiac Arrests	30	24	34	31	27	33	22	29	27	29	22	23	331
NOT Witnessed by EMS	20	18	22	23	23	25	17	25	19	24	12	17	245
AED applied prior to EMS arrival	4	3	3	5	9	9	3	9	1	4	2	4	56
Who Applied AED?													0
Lay Person	0	0	1	0	0	3	0	0	0	1	0	1	6
Lay Person Family Member	0	0	0	0	0	0	0	0	0	0	0	0	0
Lay Person Medical Provider	0	1	0	2	0	1	1	4	0	1	0	0	10
First Responder (non-transport provider)	4	2	2	3	9	5	2	5	1	2	2	3	40
Police Applied AED	0	1	0	2	1	1	0	0	0	0	1	1	7
Unknown													0
AED Used by Bystanders	0	1	1	2	0	4	1	4	0	2	0	1	16
AED Used by Bystanders, Limited to Arrest before Arrival of EMS Personnel.	0.0%	5.6%	4.5%	8.7%	0.0%	16.0%	5.9%	16.0%	0.0%	8.3%	0.0%	5.9%	6.5%

District of Columbia Fire and Emergency Medical Services Department

Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) by Quarter and Month - FY 2018 (10/1/2017 to 9/30/2018)

Panel 1: All Cardiac Arrests (Outcome)	OCT-17	NOV-17	DEC-17	JAN-18	FEB-18	MAR-18	APR-18	MAY-18	JUN-18	JUL-18	AUG-18	SEP-18	FY-18 (FINAL)
Total Cardiac Arrests	64	53	74	85	55	63	65	65	59	68	60	66	777
Transported to ED	42	30	36	52	35	42	40	42	38	45	43	40	485
Pronounced Dead in ED	13	19	10	16	5	14	12	16	11	18	15	13	162
Ongoing Resuscitation in ED	29	11	26	36	30	28	28	26	27	27	28	27	323
Admitted to Hospital	20	8	14	19	16	17	17	16	15	15	17	15	189
Died in Hospital	10	5	6	15	8	11	8	10	10	8	10	11	112
Discharged alive	7	2	8	4	7	6	8	4	4	7	7	3	67
Discharged alive (CPC-1 or CPC-2)	4	2	6	4	5	6	6	3	4	5	6	2	53
Discharged alive (CPC-3, CPC-4 or Unk)	3	0	2	0	2	0	2	1	0	2	1	1	14
Died in Hospital after DNR	2	1	0	0	1	0	1	2	1	0	0	1	9
Discharged alive after DNR	1	0	0	0	0	0	0	0	0	0	0	0	1
Discharged alive after DNR (CPC-1 or CPC-2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharged alive after DNR (CPC-3, CPC-4 or Unk)	1	0	0	0	0	0	0	0	0	0	0	0	1
Total Discharged Alive	8	2	8	4	7	6	8	4	4	7	7	3	68
Total Discharged Alive (CPC-1 or CPC-2)	4	2	6	4	5	6	6	3	4	5	6	2	53
Total Discharged Alive (CPC-3, CPC-4 or Unk)	4	0	2	0	2	0	2	1	0	2	1	1	15
Overall Survival Rate.	12.5%	3.8%	10.8%	4.7%	12.7%	9.5%	12.3%	6.2%	6.8%	10.3%	11.7%	4.5%	8.8%
Overall Survival Rate (CPC-1 or CPC-2).	6.3%	3.8%	8.1%	4.7%	9.1%	9.5%	9.2%	4.6%	6.8%	7.4%	10.0%	3.0%	6.8%

District of Columbia Fire and Emergency Medical Services Department

Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) by Quarter and Month - FY 2018 (10/1/2017 to 9/30/2018)

Panel 2: Cardiac Arrests Witnessed by Bystanders (Outcome) KPI	OCT-17	NOV-17	DEC-17	JAN-18	FEB-18	MAR-18	APR-18	MAY-18	JUN-18	JUL-18	AUG-18	SEP-18	FY-18 (FINAL)
Total Cardiac Arrests	64	53	74	85	55	63	65	65	59	68	60	66	777
Witnessed Cardiac Arrests	30	24	34	31	27	33	22	29	27	29	22	23	331
NOT Witnessed by EMS	20	18	22	23	23	25	17	25	19	24	12	17	245
Transported to ED	15	14	15	19	21	15	13	19	14	18	9	13	185
Pronounced Dead in ED	3	10	2	3	3	6	6	6	2	6	3	3	53
Ongoing Resuscitation in ED	12	4	13	16	18	9	7	13	12	12	6	10	132
Admitted to Hospital	11	4	7	7	8	7	5	8	7	6	5	5	80
Died in Hospital	6	2	2	5	1	3	1	4	3	4	2	3	36
Discharged alive	3	1	5	2	6	4	4	3	3	2	3	1	37
Discharged alive (CPC-1 or CPC-2)	2	1	4	2	4	4	3	3	3	1	3	0	30
Discharged alive (CPC-3, CPC-4 or Unk)	1	0	1	0	2	0	1	0	0	1	0	1	7
Died in Hospital after DNR	2	1	0	0	1	0	0	1	1	0	0	1	7
Discharged alive after DNR	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharged alive after DNR (CPC-1 or CPC-2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharged alive after DNR (CPC-3, CPC-4 or Unk)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Discharged Alive	3	1	5	2	6	4	4	3	3	2	3	1	37
Total Discharged Alive (CPC-1 or CPC-2)	2	1	4	2	4	4	3	3	3	1	3	0	30
Total Discharged Alive (CPC-3, CPC-4 or Unk)	1	0	1	0	2	0	1	0	0	1	0	1	7
Overall Survival Rate.	15.0%	5.6%	22.7%	8.7%	26.1%	16.0%	23.5%	12.0%	15.8%	8.3%	25.0%	5.9%	15.1%
Overall Survival Rate (CPC-1 or CPC-2).	10.0%	5.6%	18.2%	8.7%	17.4%	16.0%	17.6%	12.0%	15.8%	4.2%	25.0%	0.0%	12.2%

District of Columbia Fire and Emergency Medical Services Department

Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) by Quarter and Month - FY 2018 (10/1/2017 to 9/30/2018)

Panel 3: Cardiac Arrests (of Cardiac Etiology) Witnessed by Bystanders (Outcome)	OCT-17	NOV-17	DEC-17	JAN-18	FEB-18	MAR-18	APR-18	MAY-18	JUN-18	JUL-18	AUG-18	SEP-18	FY-18 (FINAL)
Total Cardiac Arrests	64	53	74	85	55	63	65	65	59	68	60	66	777
Witnessed Cardiac Arrests	30	24	34	31	27	33	22	29	27	29	22	23	331
NOT Witnessed by EMS	20	18	22	23	23	25	17	25	19	24	12	17	245
Presumed Cardiac Etiology	18	16	20	20	15	23	15	21	13	20	9	13	203
Transported to ED	14	12	14	16	14	15	12	16	9	15	6	10	153
Pronounced Dead in ED	3	8	1	3	3	6	6	5	1	5	2	2	45
Ongoing Resuscitation in ED	11	4	13	13	11	9	6	11	8	10	4	8	108
Admitted to Hospital	10	4	7	6	3	7	4	6	5	6	3	5	66
Died in Hospital	6	2	2	4	0	3	0	2	2	4	1	3	29
Discharged alive	3	1	5	2	3	4	4	3	2	2	2	1	32
Discharged alive (CPC-1 or CPC-2)	2	1	4	2	2	4	3	3	2	1	2	0	26
Discharged alive (CPC-3, CPC-4 or Unk)	1	0	1	0	1	0	1	0	0	1	0	1	6
Died in Hospital after DNR	1	1	0	0	0	0	0	1	1	0	0	1	5
Discharged alive after DNR	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharged alive after DNR (CPC-1 or CPC-2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharged alive after DNR (CPC-3, CPC-4 or Unk)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Discharged Alive	3	1	5	2	3	4	4	3	2	2	2	1	32
Total Discharged Alive (CPC-1 or CPC-2)	2	1	4	2	2	4	3	3	2	1	2	0	26
Total Discharged Alive (CPC-3, CPC-4 or Unk)	1	0	1	0	1	0	1	0	0	1	0	1	6
Overall Survival Rate.	16.7%	6.3%	25.0%	10.0%	20.0%	17.4%	26.7%	14.3%	15.4%	10.0%	22.2%	7.7%	15.8%
Overall Survival Rate (CPC-1 or CPC-2).	11.1%	6.3%	20.0%	10.0%	13.3%	17.4%	20.0%	14.3%	15.4%	5.0%	22.2%	0.0%	12.8%

District of Columbia Fire and Emergency Medical Services Department

Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) by Quarter and Month - FY 2018 (10/1/2017 to 9/30/2018)

Panel 4: Cardiac Arrests (Cardiac Etiology/“Shockable” Rhythm) Witnessed by Bystanders (Outcome) KPI	OCT-17	NOV-17	DEC-17	JAN-18	FEB-18	MAR-18	APR-18	MAY-18	JUN-18	JUL-18	AUG-18	SEP-18	FY-18 (FINAL)
Total Cardiac Arrests	64	53	74	85	55	63	65	65	59	68	60	66	777
Witnessed Cardiac Arrests	30	24	34	31	27	33	22	29	27	29	22	23	331
NOT Witnessed by EMS	20	18	22	23	23	25	17	25	19	24	12	17	245
Presumed Cardiac Etiology	18	16	20	20	15	23	15	21	13	20	9	13	203
“Shockable” Rhythm (VFib/VTach/Unk)	5	2	6	5	5	5	5	8	3	7	3	1	55
Transported to ED	5	1	6	5	5	5	5	7	3	6	3	1	52
Pronounced Dead in ED	1	1	1	0	0	1	0	1	1	3	0	0	9
Ongoing Resuscitation in ED	4	0	5	5	5	4	5	6	2	3	3	1	43
Admitted to Hospital	4	0	3	2	2	4	4	4	2	2	3	0	30
Died in Hospital	0	0	0	1	0	1	0	0	0	1	1	0	4
Discharged alive	3	0	3	1	2	3	4	3	2	1	2	0	24
Discharged alive (CPC-1 or CPC-2)	2	0	3	1	2	3	3	3	2	1	2	0	22
Discharged alive (CPC-3, CPC-4 or Unk)	1	0	0	0	0	0	1	0	0	0	0	0	2
Died in Hospital after DNR	1	0	0	0	0	0	0	1	0	0	0	0	2
Discharged alive after DNR	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharged alive after DNR (CPC-1 or CPC-2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharged alive after DNR (CPC-3, CPC-4 or Unk)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Discharged Alive	3	0	3	1	2	3	4	3	2	1	2	0	24
Total Discharged Alive (CPC-1 or CPC-2)	2	0	3	1	2	3	3	3	2	1	2	0	22
Total Discharged Alive (CPC-3, CPC-4 or Unk)	1	0	0	0	0	0	1	0	0	0	0	0	2
Overall Survival Rate.	60.0%	0.0%	50.0%	20.0%	40.0%	60.0%	80.0%	37.5%	66.7%	14.3%	66.7%	0.0%	43.6%
Overall Survival Rate (CPC-1 or CPC-2).	40.0%	0.0%	50.0%	20.0%	40.0%	60.0%	60.0%	37.5%	66.7%	14.3%	66.7%	0.0%	40.0%

District of Columbia Fire and Emergency Medical Services Department

Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) by Quarter and Month - FY 2018 (10/1/2017 to 9/30/2018)

Panel 1-A: All Cardiac Arrests (ROSC)	OCT-17	NOV-17	DEC-17	JAN-18	FEB-18	MAR-18	APR-18	MAY-18	JUN-18	JUL-18	AUG-18	SEP-18	FY-18 (FINAL)
Total Cardiac Arrests	64	53	74	85	55	63	65	65	59	68	60	66	777
Pronounced Dead Before Transport	22	23	38	33	20	21	25	23	21	23	17	26	292
Transported to ED	42	30	36	52	35	42	40	42	38	45	43	40	485
Pulseless at End of Transport	25	18	22	30	21	29	25	26	26	33	32	22	309
Pulse at End of Transport	17	12	14	22	14	13	15	16	12	12	11	18	176
Pronounced Dead in ED	0	5	1	2	0	0	0	0	0	0	0	0	8
Ongoing Resuscitation in ED	17	7	13	20	14	13	15	16	12	12	11	18	168
Admitted to Hospital	15	7	12	14	10	11	14	14	11	12	10	15	145
Died in Hospital	6	5	5	11	4	5	8	8	6	6	4	11	79
Discharged alive	6	1	7	3	5	6	6	4	4	6	6	3	57
Discharged alive (CPC-1 or CPC-2)	3	1	5	3	5	6	5	3	4	4	6	2	47
Discharged alive (CPC-3, CPC-4 or Unk)	3	0	2	0	0	0	1	1	0	2	0	1	10
Died in Hospital after DNR	2	1	0	0	1	0	0	2	1	0	0	1	8
Discharged alive after DNR	1	0	0	0	0	0	0	0	0	0	0	0	1
Discharged alive after DNR (CPC-1 or CPC-2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharged alive after DNR (CPC-3, CPC-4 or Unk)	1	0	0	0	0	0	0	0	0	0	0	0	1
Total Discharged Alive	7	1	7	3	5	6	6	4	4	6	6	3	58
Total Discharged Alive (CPC-1 or CPC-2)	3	1	5	3	5	6	5	3	4	4	6	2	47
Total Discharged Alive (CPC-3, CPC-4 or Unk)	4	0	2	0	0	0	1	1	0	2	0	1	11
Pulse at End of Transport (Pre-Hospital ROSC rate).	26.6%	22.6%	18.9%	25.9%	25.5%	20.6%	23.1%	24.6%	20.3%	17.6%	18.3%	27.3%	22.7%
Survival Rate of EMS Patients with Pulse at End of Transport Admitted to Hospital.	46.7%	14.3%	58.3%	21.4%	50.0%	54.5%	42.9%	28.6%	36.4%	50.0%	60.0%	20.0%	40.0%
Survival Rate of EMS Patients with Pulse at End of Transport Admitted to Hospital (CPC-1 or CPC-2).	20.0%	14.3%	41.7%	21.4%	50.0%	54.5%	35.7%	21.4%	36.4%	33.3%	60.0%	13.3%	32.4%

District of Columbia Fire and Emergency Medical Services Department

Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) by Quarter and Month - FY 2018 (10/1/2017 to 9/30/2018)

Panel 2-A: Cardiac Arrests Witnessed by Bystanders (ROSC)	OCT-17	NOV-17	DEC-17	JAN-18	FEB-18	MAR-18	APR-18	MAY-18	JUN-18	JUL-18	AUG-18	SEP-18	FY-18 (FINAL)
Total Cardiac Arrests	64	53	74	85	55	63	65	65	59	68	60	66	777
Witnessed Cardiac Arrests	30	24	34	31	27	33	22	29	27	29	22	23	331
NOT Witnessed by EMS	20	18	22	23	23	25	17	25	19	24	12	17	245
Pronounced Dead Before Transport	5	4	7	4	2	10	4	6	5	6	3	4	60
Transported to ED	15	14	15	19	21	15	13	19	14	18	9	13	185
Pulseless at End of Transport	7	7	9	10	13	11	9	10	6	13	6	8	109
Pulse at End of Transport	8	7	6	9	8	4	4	9	8	5	3	5	76
Pronounced Dead in ED	0	3	0	0	0	0	0	0	0	0	0	0	3
Ongoing Resuscitation in ED	8	4	6	9	8	4	4	9	8	5	3	5	73
Admitted to Hospital	8	4	5	6	5	4	4	8	7	5	3	5	64
Died in Hospital	3	2	1	5	0	0	1	4	3	3	0	3	25
Discharged alive	3	1	4	1	4	4	3	3	3	2	3	1	32
Discharged alive (CPC-1 or CPC-2)	2	1	3	1	4	4	3	3	3	1	3	0	28
Discharged alive (CPC-3, CPC-4 or Unk)	1	0	1	0	0	0	0	0	0	1	0	1	4
Died in Hospital after DNR	2	1	0	0	1	0	0	1	1	0	0	1	7
Discharged alive after DNR	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharged alive after DNR (CPC-1 or CPC-2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharged alive after DNR (CPC-3, CPC-4 or Unk)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Discharged Alive	3	1	4	1	4	4	3	3	3	2	3	1	32
Total Discharged Alive (CPC-1 or CPC-2)	2	1	3	1	4	4	3	3	3	1	3	0	28
Total Discharged Alive (CPC-3, CPC-4 or Unk)	1	0	1	0	0	0	0	0	0	1	0	1	4
Pulse at End of Transport (Pre-Hospital ROSC rate).	40.0%	38.9%	27.3%	39.1%	34.8%	16.0%	23.5%	36.0%	42.1%	20.8%	25.0%	29.4%	31.0%
Survival Rate of EMS Patients with Pulse at End of Transport Admitted to Hospital.	37.5%	25.0%	80.0%	16.7%	80.0%	100.0%	75.0%	37.5%	42.9%	40.0%	100.0%	20.0%	50.0%
Survival Rate of EMS Patients with Pulse at End of Transport Admitted to Hospital (CPC-1 or CPC-2).	25.0%	25.0%	60.0%	16.7%	80.0%	100.0%	75.0%	37.5%	42.9%	20.0%	100.0%	0.0%	43.8%

District of Columbia Fire and Emergency Medical Services Department

Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) by Quarter and Month - FY 2018 (10/1/2017 to 9/30/2018)

Panel 3-A: Cardiac Arrests (of Cardiac Etiology) Witnessed by Bystanders (ROSC)	OCT-17	NOV-17	DEC-17	JAN-18	FEB-18	MAR-18	APR-18	MAY-18	JUN-18	JUL-18	AUG-18	SEP-18	FY-18 (FINAL)
Total Cardiac Arrests	64	53	74	85	55	63	65	65	59	68	60	66	777
Witnessed Cardiac Arrests	30	24	34	31	27	33	22	29	27	29	22	23	331
NOT Witnessed by EMS	20	18	22	23	23	25	17	25	19	24	12	17	245
Presumed Cardiac Etiology	18	16	20	20	15	23	15	21	13	20	9	13	203
Pronounced Dead Before Transport	4	4	6	4	1	8	3	5	4	5	3	3	50
Transported to ED	14	12	14	16	14	15	12	16	9	15	6	10	153
Pulseless at End of Transport	7	5	8	8	10	11	9	9	3	10	4	5	89
Pulse at End of Transport	7	7	6	8	4	4	3	7	6	5	2	5	64
Pronounced Dead in ED	0	3	0	0	0	0	0	0	0	0	0	0	3
Ongoing Resuscitation in ED	7	4	6	8	4	4	3	7	6	5	2	5	61
Admitted to Hospital	7	4	5	5	2	4	3	6	5	5	2	5	53
Died in Hospital	3	2	1	4	0	0	0	2	2	3	0	3	20
Discharged alive	3	1	4	1	2	4	3	3	2	2	2	1	28
Discharged alive (CPC-1 or CPC-2)	2	1	3	1	2	4	3	3	2	1	2	0	24
Discharged alive (CPC-3, CPC-4 or Unk)	1	0	1	0	0	0	0	0	0	1	0	1	4
Died in Hospital after DNR	1	1	0	0	0	0	0	1	1	0	0	1	5
Discharged alive after DNR	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharged alive after DNR (CPC-1 or CPC-2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharged alive after DNR (CPC-3, CPC-4 or Unk)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Discharged Alive	3	1	4	1	2	4	3	3	2	2	2	1	28
Total Discharged Alive (CPC-1 or CPC-2)	2	1	3	1	2	4	3	3	2	1	2	0	24
Total Discharged Alive (CPC-3, CPC-4 or Unk)	1	0	1	0	0	0	0	0	0	1	0	1	4
Pulse at End of Transport (Pre-Hospital ROSC rate).	38.9%	43.8%	30.0%	40.0%	26.7%	17.4%	20.0%	33.3%	46.2%	25.0%	22.2%	38.5%	31.5%
Survival Rate of EMS Patients with Pulse at End of Transport Admitted to Hospital.	42.9%	25.0%	80.0%	20.0%	100.0%	100.0%	100.0%	50.0%	40.0%	40.0%	100.0%	20.0%	52.8%
Survival Rate of EMS Patients with Pulse at End of Transport Admitted to Hospital (CPC-1 or CPC-2).	28.6%	25.0%	60.0%	20.0%	100.0%	100.0%	100.0%	50.0%	40.0%	20.0%	100.0%	0.0%	45.3%

District of Columbia Fire and Emergency Medical Services Department

Cardiac Arrest Bystander CPR and AED Use, Outcomes and Return of Spontaneous Circulation (ROSC) by Quarter and Month - FY 2018 (10/1/2017 to 9/30/2018)

Panel 4-A: Cardiac Arrests (Cardiac Etiology/“Shockable” Rhythm) Witnessed by Bystanders (ROSC)	OCT-17	NOV-17	DEC-17	JAN-18	FEB-18	MAR-18	APR-18	MAY-18	JUN-18	JUL-18	AUG-18	SEP-18	FY-18 (FINAL)
Total Cardiac Arrests	64	53	74	85	55	63	65	65	59	68	60	66	777
Witnessed Cardiac Arrests	30	24	34	31	27	33	22	29	27	29	22	23	331
NOT Witnessed by EMS	20	18	22	23	23	25	17	25	19	24	12	17	245
Presumed Cardiac Etiology	18	16	20	20	15	23	15	21	13	20	9	13	203
“Shockable” Rhythm (VFib/VTach/Unk)	5	2	6	5	5	5	5	8	3	7	3	1	55
Pronounced Dead Before Transport	0	1	0	0	0	0	0	1	0	1	0	0	3
Transported to ED	5	1	6	5	5	5	5	7	3	6	3	1	52
Pulseless at End of Transport	1	1	3	3	3	2	2	3	1	4	1	1	25
Pulse at End of Transport	4	0	3	2	2	3	3	4	2	2	2	0	27
Pronounced Dead in ED	0	0	0	0	0	0	0	0	0	0	0	0	0
Ongoing Resuscitation in ED	4	0	3	2	2	3	3	4	2	2	2	0	27
Admitted to Hospital	4	0	3	1	2	3	3	4	2	2	2	0	26
Died in Hospital	0	0	0	1	0	0	0	0	0	1	0	0	2
Discharged alive	3	0	3	0	2	3	3	3	2	1	2	0	22
Discharged alive (CPC-1 or CPC-2)	2	0	3	0	2	3	3	3	2	1	2	0	21
Discharged alive (CPC-3, CPC-4 or Unk)	1	0	0	0	0	0	0	0	0	0	0	0	1
Died in Hospital after DNR	1	0	0	0	0	0	0	1	0	0	0	0	2
Discharged alive after DNR	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharged alive after DNR (CPC-1 or CPC-2)	0	0	0	0	0	0	0	0	0	0	0	0	0
Discharged alive after DNR (CPC-3, CPC-4 or Unk)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Discharged Alive	3	0	3	0	2	3	3	3	2	1	2	0	22
Total Discharged Alive (CPC-1 or CPC-2)	2	0	3	0	2	3	3	3	2	1	2	0	21
Total Discharged Alive (CPC-3, CPC-4 or Unk)	1	0	0	0	0	0	0	0	0	0	0	0	1
Pulse at End of Transport (Pre-Hospital ROSC rate).	80.0%	0.0%	50.0%	40.0%	40.0%	60.0%	60.0%	50.0%	66.7%	28.6%	66.7%	0.0%	49.1%
Survival Rate of EMS Patients with Pulse at End of Transport Admitted to Hospital.	75.0%	N/A	100.0%	0.0%	100.0%	100.0%	100.0%	75.0%	100.0%	50.0%	100.0%	N/A	84.6%
Survival Rate of EMS Patients with Pulse at End of Transport Admitted to Hospital (CPC-1 or CPC-2).	50.0%	N/A	100.0%	0.0%	100.0%	100.0%	100.0%	75.0%	100.0%	50.0%	100.0%	N/A	80.8%